

PATENT ABSTRACTS OF JAPAN

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(54) RECREATION FACILITY USE SUPPORT SYSTEM USING PORTABLE INFORMATION
ACCUMULATION DEVICE RECREATION FACILITY USE SUPPORT METHOD AND RECORDING
MEDIUM RECORDING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To supply information corresponding to the behavior of a user and to support the use of recreation facilities on a overall basis by grasping the behavior of other group members registered by means by an access terminal.

SOLUTION: A pack card is supplied as an electronic ticket for using recreation facilities. It is purchased at a ticket counter T1. When a plurality of tickers are collectively purchased the persons having the tickets are automatically registered as the group. The person using the guide of a theme park and coming in the group can exchange messages with the person in the group even if they are in different places by the theme park guide terminal at a theme park card guide place T3. The theme park guides terminal transfers park card information receives input form the user and displays necessary information. For inputting the message to the guide terminal and transmitting the message to the other person in the group a camera a speaker and a microphone are provided.

CLAIMS

[Claim(s)]

[Claim 1] In a recreation-facilities use support method using a portable information storing device To the portable information storing device with a portable information storing device access terminal which registers a group and is established in recreation facilities. A recreation-facilities use support method using a portable information storing device making it possible to grasp other persons' action in which a person with the portable information storing device has the portable information storing device which carried out group registration as the same group.

[Claim 2] Grasp of action of other persons with said portable information storing device to a display screen of said portable information storing device access terminal. A recreation-facilities use support method using the portable information storing device according to claim 1 being able to carry out by displaying a using state and utilization time in the person's recreation facilities.

[Claim 3] In a recreation-facilities use support method using a portable information storing device To the portable information storing device with a portable information storing device access terminal which registers a group and is established in recreation facilities. A recreation-facilities use support method using a portable information storing device characterized by enabling it to perform a person and message switching of others with a portable information storing device which carried out group registration as the same group.

[Claim 4] Message switching with other persons with said portable information storing device to a display screen of said portable information storing device access terminal. A recreation-facilities use support method using a portable information storing device of claim 3 statement carrying out by being displayed as an animation or a still picture and being told as a sound.

[Claim 5] As a ticket of utilization qualification of the recreation facilities said portable information storing device is issued and then A recreation-facilities use support method which used one of the portable information storing devices according to claim 4 from claim 1 characterized by registering as the same group to a portable information storing device issued simultaneously.

[Claim 6] A recreation-facilities use support method which used one of the portable information storing devices according to claim 4 from claim 1 characterized by the ability to register a group to the portable information storing device with said portable information storing device access terminal.

[Claim 7] In a recreation-facilities use support method using a portable

information storing deviceTo a portable information storing device access terminal established in recreation facilitiesan available institution in the recreation facilitiesA recreation-facilities use support method using a portable information storing device displaying a utilization history of facilities of a person with the portable information storing deviceand waiting time for the facility use.

[Claim 8]In a recreation-facilities use support method using a portable information storing deviceWith a portable information storing device access terminal established in recreation facilities. A recreation-facilities use support method using a portable information storing device displaying an institution in recreation facilities which make a user choose conditions of a favorite institution and agree on the condition on the portable information storing device access terminal.

[Claim 9]A recreation-facilities use support method using a portable information storing device characterized by comprising the following.
A function as a ticket in which the portable information storing device uses an institution in the recreation facilities.

In an institution provided in recreation facilitiesit is an electronic money function as substitution of cash.

[Claim 10]In a recreation-facilities use support method using a portable information storing devicea portable information storing device access terminal established in recreation facilitiesHave a function printed on the surface of a portable information storing deviceand with the portable information storing device. A recreation-facilities use support method using the portable information storing device according to claim 9 printing a history of having used on the surface of a portable information storing device when equipment in the recreation facilities is used.

[Claim 11]A recording medium which records a computer program which performs a recreation-facilities use support method using said claim 1 thru/or one of the portable information storing devices according to claim 10.

[Claim 12]In a recreation-facilities use supporting system using a portable information storing deviceSaid portable information storing device access terminal and a computer which manages said system information by having a portable information storing device access terminal and a computer which manages system informationAs opposed to an institution possible [of information] and placed [is connected with a communication lineand] in recreation facilitiesIt has a group code of a portable information storing device of thosewho usedand a means to hold utilization timeA utilization history of an institution placed in said recreation facilities of a person with a portable information storing device with the same group code as a

portable information storing device accessed by said portable information storing device access terminalA recreation-facilities use supporting system using a portable information storing device characterized by what is displayed on the portable information storing device access terminal.

[Claim 13]In a recreation-facilities use supporting system using a portable information storing deviceSaid portable information storing device access terminal and a computer which manages said system information by having a portable information storing device access terminal and a computer which manages system informationAs opposed to an institution possible [of information] and placed [is connected with a communication lineand] in recreation facilitiesHave a group code of a portable information storing device of thosewho usedand a means to hold utilization timeand to said portable information storing device access terminal An animation or a still pictureOr a recreation-facilities use supporting system using a portable information storing device being able to hold a message as a sound and being able to receive a message of a person with a portable information storing device belonging to the same group from said portable information storing device access terminal.

[Claim 14]In a recreation-facilities use supporting system using a portable information storing deviceSaid portable information storing device access terminal and a computer which manages said system information by having a portable information storing device access terminal and a computer which manages system informationBy a sensor function which detects the person's portable information storing device to an institution possible [of information] and placed [is connected with a communication lineand] in recreation facilities. A recreation-facilities use supporting system which has a means to grasp a trend of a person using the institutionand used a portable information storing device characterized by what is displayed as waiting time when using for said portable information storing device access terminal by the grasped result.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention]The recreation-facilities use supporting system with which this invention used the portable information storing deviceA recreation-facilities use support method is startedand it uses for going sight seeing to two or more attractionssuch as a theme parkand is related with the use supporting system and use support method which support a user so that

recreation facilities may be used comfortably.

[0002]

[Description of the Prior Art]In recent yearsan IC carda magnetic cardetc. are developed by progress of element art and semiconductor technologyand it is used for various activity fields of people's life. The advantage of such a card is being able to use as substitution of cash depending on carrying or the case it becoming empty.

[0003]Especially the theme park that are in fashion recently was positive to the measure of the system which there is desire that people want to act lightly thereand also making an image by the side of the entrepreneur of a theme park hasand can be paid or used with such a card.

[0004]

[Problem(s) to be Solved by the Invention]The utilizing method of portable cardssuch as the present theme parkhad the main thing of passing those who attest automatically and have utilization qualificationwhen doing balancing account automatically or using attraction institutionssuch as a vehicle in an institution.

[0005]By the wayin recreation facilitiessuch as a theme parkeven if it comes by a groupa favorite difference may separate and act by a small group by the cause of liking to become a cause or to stay together as those pleased fellow.

[0006]When suchthe place and time of waiting will be arrangedand it will be said that it meets at laterbut in the middleleather members' action was not found but there was a problem that waiting time became useless in many cases.

[0007]Since there are also many people and a place is also large when prodigal on the waymeeting becomes the most difficult thing.

[0008]When actually using attraction institutionssuch as a vehiclethe pamphlet got at the time of ticket purchase and the bulletin board in an institution are seenandusually a favorite thing is chosen. When suchthe feature of an attraction institution is unclear and the admiration in which a hit has [how much waiting time also becomes and] a gap for a user since it is unclear cannot be denied.

[0009]It is to know what kind of attraction institution was used today. When suchthere was a problem that the user of the conventional portable card did not have a way to confirm.

[0010]Thusa viewpoint sets the method of use of the conventional portable card of a theme park only on balancing account or the use check of institutionsinformation effective in a user is providedand the viewpoint of enabling it to use comfortably is missing.

[0011]Were made in order that this invention might solve the above-mentioned problemand the purposeIn recreation facilitiessuch as a theme parkby using a portable card etc.It is in providing the information adapted to a user's

actions supporting use of the recreation facilities and providing synthetically the recreation-facilities use supporting system which enables it to use recreation facilities for a user in a comfortable environment more and a recreation use support method.

[0012]

[Means for Solving the Problem] To achieve the above object, the first composition of an invention concerning a recreation-facilities use support method using a portable information storing device of this invention is in a recreation-facilities use support method using a portable information storing device. To the portable information storing device with a portable information storing device access terminal which registers a group and is established in recreation facilities. It is made to make it possible to grasp other persons' action in which a person with the portable information storing device has the portable information storing device which carried out group registration as the same group.

[0013] In a recreation-facilities use support method which used the above-mentioned portable information storing device in more detail, grasp of action of other persons with said portable information storing device enables it to carry out by displaying a using state and utilization time in the person's recreation facilities on a display screen of said portable information storing device access terminal.

[0014] To achieve the above object, the second composition of an invention concerning a recreation-facilities use support method using a portable information storing device of this invention is in a recreation-facilities use support method using a portable information storing device. A group is registered and it is made to enable it to perform other persons and message switching which have the portable information storing device which carried out group registration as the same group with a portable information storing device access terminal established in recreation facilities to the portable information storing device.

[0015] In a recreation-facilities use support method which used the above-mentioned portable information storing device in more detail, it is made to carry out by displaying message switching with other persons with said portable information storing device on a display screen of said portable information storing device access terminal as an animation or a still picture and telling it as a sound to it.

[0016] In a used recreation-facilities use support method, in detail, the above-mentioned portable information storing device said portable information storing device banknotes are issued and it is made to register as the same group to a portable information storing device issued simultaneously then as a ticket of utilization qualification of the recreation facilities.

[0017]It enables it to register a group to the portable information storing device with said portable information storing device access terminal in more detail in a recreation-facilities use support method using the above-mentioned portable information storing device.

[0018]To achieve the above objects the third composition of an invention concerning a recreation-facilities use support method using a portable information storing device of this inventionIn a recreation-facilities use support method using the above-mentioned portable information storing deviceA utilization history of an available institution in the recreation facilities and facilities of a person with the portable information storing device and waiting time for the facility use are displayed on a portable information storing device access terminal established in recreation facilities.

[0019]To achieve the above objects the fourth composition of an invention concerning a recreation-facilities use support method using a portable information storing device of this inventionIn a recreation-facilities use support method using the above-mentioned portable information storing deviceWith a portable information storing device access terminal established in recreation facilitiesa user is made to choose conditions of a favorite institution and an institution of recreation facilities corresponding to the condition is displayed on the portable information storing device access terminal.

[0020]In a used recreation-facilities use support methodin more detail the above-mentioned portable information storing device the portable information storing devicea function as a ticket to use an institution in the recreation facilities -- it is made to have an electronic money function as substitution of cash in an institution provided in recreation facilities

[0021]In a recreation-facilities use support method using the above-mentioned portable information storing devicein more detail a portable information storing device access terminal established in recreation facilitiesWhen it has a function printed on the surface of a portable information storing device and equipment in the recreation facilities is used with the portable information storing deviceit is made to print a history of having used on the surface of a portable information storing device.

[0022]Nextcomposition about a recording-medium patent for performing a recreation-facilities use support method using a portable information storing device of this inventionA computer program which performs either of the recreation-facilities use support methods which used the above-mentioned portable information storing device for recording mediasuch as FD and CD-ROMis recorded.

[0023]Nextthe first composition of an invention which relates to a recreation-facilities use supporting system using a portable information storing device

of this invention to achieve the above objectsIn a recreation-facilities use supporting system using a portable information storing deviceSaid portable information storing device access terminal and a computer which manages said system information by having a portable information storing device access terminal and a computer which manages system informationAs opposed to an institution possible [of information] and placed [is connected with a communication lineand] in recreation facilitiesIt has a group code of a portable information storing device of thosewho usedand a means to hold utilization timeA utilization history of an institution placed in said recreation facilities of a person with a portable information storing device with the same group code as a portable information storing device accessed by said portable information storing device access terminal is displayed on the portable information storing device access terminal.

[0024]To achieve the above objectsthe second composition of an invention concerning a recreation-facilities use supporting system using a portable information storing device of this inventionIn a recreation-facilities use supporting system using a portable information storing deviceSaid portable information storing device access terminal and a computer which manages said system information by having a portable information storing device access terminal and a computer which manages system informationAs opposed to an institution possible [of information] and placed [is connected with a communication lineand] in recreation facilitiesHave a group code of a portable information storing device of thosewho usedand a means to hold utilization timeand to said portable information storing device access terminal An animation or a still pictureOr a message can be held as a sound and it enables it to receive a message of a person with a portable information storing device belonging to the same group from said portable information storing device access terminal.

[0025]To achieve the above objectsthe third composition of an invention concerning a recreation-facilities use supporting system using a portable information storing device of this inventionIn a recreation-facilities use supporting system using a portable information storing deviceSaid portable information storing device access terminal and a computer which manages said system information by having a portable information storing device access terminal and a computer which manages system informationBy a sensor function which detects the person's portable information storing device to an institution possible [of information] and placed [is connected with a communication lineand] in recreation facilities. It has a means to grasp a trend of a person using the institutionand is made to display by the grasped result as waiting time when using for said portable information storing device access terminal.

[0026]

[Embodiment of the Invention] Hereafter one embodiment concerning this invention is described using drawing 1 thru/or drawing 22.

[The system configuration of the recreation-facilities use supporting system using a portable information storing device] First the system configuration of the recreation-facilities use supporting system using the portable information storing device applied to this invention using drawing 1 and drawing 22 is explained. Drawing 1 is a system configuration figure of the recreation-facilities use supporting system using the portable information storing device which is one embodiment concerning this invention. Drawing 22 is a more concrete hardware-constitutions figure of the recreation-facilities use supporting system using the portable information storing device which is one embodiment concerning this invention.

[0027] This embodiment aims at using recreation facilities such as a theme park happily comfortably by using small portable information storing devices such as an IC card and a magnetic card.

[0028] Although the record method of information is not asked it is mainly effective in magnetic and the thing which accumulates information by an optical means. [of a portable information storing device] Since it carries in order to use recreation facilities it is small and has and what has a convenient walk is desirable.

[0029] In this embodiment the form of the wristband covered over a wrist may be carried out for example and it is usable in small things such as a wallet and an ordinary card type into which it is put by the card holder and a type covered over a head like a necklace and a name tag.

[0030] Although this embodiment explains taking the case of the case where a theme park is used it can use for an amusement park a skiing area and the institution of the type which goes sight seeing to two or more institutions such as an art gallery and a museum further. Thus in this specification since it explains taking the case of a theme park the portable information storing device of this invention is made to also call it a "park card" but the candidate for use is not limited to a park and this shows one by name.

[0031] Although explanation of this embodiment explains this park card as a single-use thing once Since the utilization history function of recreation facilities sticks a prolonged half a year ticket a year-round ticket and the gestalt of a membership system ticket may be sufficient and there is a merit that this gentleman can utilize a history function more in this card so that it may explain later.

[0032] Now the 1 embodiment slack park card of the portable information storing device of this embodiment is provided as an electronic ticket for using

recreation facilities. It is usually purchased at the ticket counter T1. You may purchase as well as this in the agency which sells a ticket.

[0033]From the yard attraction gate T2when carrying out entrance and exit to the institution to be usedit will be automatically charged by this card. Although the method of fee collection changes with kinds of park cardwhen you buy a day free pass ticketall the institutions in a theme park become availableand it can pass through the gate in an institution freelyfor example. This park card uses the guide of a theme park with the theme park guide terminal put on theme park card guide place T3 provided not only within the role of a ticket but within the enclosureor[much] Even if those who are coming by the group are in somewhere else respectivelythey can do a group's people and message switching.

[0034]If the function paid even when it has a meal at the case where a souvenir and ingesta are bought in the stand T4the restaurant T5etc. is givenwithin this theme parkit walks around with or becomes unnecessary to take out cashand is convenient. In this casewhen it passes along the last gate of a theme parka fee collection display will come out and it will pay.

[0035]In order to manage the information on a systema theme park system server is assigned in the theme park system center C1communication with the terminal of each base is performed to itand instructions are taken out to it. The terminal of a server and each base is connected by the communication lines as shown in drawing 1.

[0036]Nextconcrete hardware constitutions are explained using drawing 22.

[0037]The theme park system center C1 already comprises a computer body which has a server as ****. Various data requirements are recorded on this server as a file. This computer body is connected to the input/output device formed in each inside of the ticket counter T1the yard attraction gate T2much yard theme park guide place T3many stands T4and many restaurants T5and the computer which has a server via the communication line. In these hardware systemsit is connected with the computer of the device of T1 to Teach 5 on which the computer of the theme park system C1 acts as a terminal in time-sharingand the function as a recreation-facilities use supporting system in which the portable information storing device mentioned later was used is realized.

[0038][Theme park guide terminal] Nextthe theme park guide terminal applied to this embodiment using drawing 2 is explained. Drawing 2 is a mimetic diagram showing the structure of a theme park guide terminal.

[0039]The theme park guide terminal 10 exchanges a park card and informationand receives the input from a userand displays required information. Required information is displayed on the display part 11. This portion is a touch paneland can input and operate required information by touching a required portion according to guidance.

[0040]From the reader writer part 13the weak electric wave 14 is flowingand the information on the park card 0 can be reador it can write.

[0041]The message was inputted into the guide terminaland in order to tell other people and messages in a groupit has the camera 12the loudspeaker 15the microphone 16etc. The printer 17 is used when printing a part or all of the contents that is being displayed.

[0042]The display screen of the display 11 is large and has the logo area 22the status area 24the operation area 26and the message area 28. In the status area 24logossuch as service for which this system is usedare displayed. The status area 24 is formed down that logo area 22and the operation situation of this terminal is displayed. This display example shows that it is in the state where communication between groups is performed. The display which shows a function required for operation is displayed on the operation area 26. Since the contents of operation change with each states in the middle of operationthe display information of this operation area 26 cooperates with the state of each operationfor examplethe display information of the status area 24and changes. The message concerning [the message area 28] the operation from the system to an operatorthe message from other operatorsetc. are displayed.

[0043]The 2nd indicator 30 for there being the reader writer 13 and the printer 17 of the card 0 in the lower part of the theme park guide terminal 10and explaining operation and operation of the reader writer 13 and the printer 17 is formed. Operation of the reader writer 13 and the printer 17 and the message of a state are displayed on the above-mentioned message area 28and also these messages are displayed on the 2nd indicator 30. Operativity improves by this thing.

[0044][The operation and the use image using a portable information storing device of a recreation-facilities use supporting system] Nextthe operation and the use image using the portable information storing device applied to this embodiment using drawing 3 thru/or drawing 21 of a recreation-facilities use supporting system are explained. Drawing 3 is a screen change figure showing an example using the portable information storing device concerning this invention of the screen change of a recreation-facilities use supporting system as an outline. Drawing 4 is the screen change figure which described the screen change explained by this embodiment corresponding to a user's action.

[0045]Hereafteroperation of a device is carried out to explaining and going using the figure of each screenreferring to drawing 3 and drawing 4 for each function.

[0046](I) Explain a theme park menu facility using theme park menu point ** and drawing 5. Drawing 5 is a mimetic diagram showing a theme park menu screen.

[0047]The theme park menu 100 specifies the function which the user of a park card uses. The user can call the screen of the function by touching the menu portion of a function to use.

[0048]Below a ticket purchasing function a group add function the communication function between groups and an attraction guide function will be called.

[0049](II) ticket purchase guide machine ** -- explain first the procedure of deriving a user buying a ticket by a ticket purchase guide function using drawing 6 thru/or drawing 8. Drawing 6 is a mimetic diagram of a ticket price list & purchase screen. Drawing 7 is a mimetic diagram of a content confirmation & purchase screen. Drawing 8 is a mimetic diagram of the group registration-confirmed screen at the time of ticket purchase.

[0050]If the portion of the ticket purchase price list & purchase of the theme park menu 100 is touched as shown in drawing 6 ticket purchase price list & purchase screen SC14 will be called a message will come out so that the kind and number of sheets of a ticket may be inputted and an input will be demanded from a user.

[0051]Here the portion of the kind of ticket to purchase is touched the portion 101 which became like a right-hand side ten key is touched and number of sheets is specified. The contents of operation are displayed on the kind and the number-of-sheets display portion 102 of a ticket as shown in a figure.

[0052]The button for inputting the function and command which are operated the logo of a theme park and now is displayed on the left-hand side portion 106.

[Menu] If the portion 104 is touched it will change to theme park menu screen SC13 of the beginning. If the portion 105 [to finish] is touched the present screen will be finished and the screen of the beginning of the function will come out. Detailed correspondence is as being shown in drawing 4. In this screen whichever it chooses it will return to a theme park menu.

[0053]Next a user presupposes that [purchase] portion 103 was touched. Then the following content confirmation & purchase screen SC15 shown in drawing 7 comes out and the contents and the fee sum total of a ticket which have so far been chosen are displayed on the display portion 107. What is necessary is to hold up a credit card or just to inject cash when display information is in agreement with a user's intention. The picture 108 of a credit card and the picture 109 of cash are expressed as this screen so that intelligibly. What is necessary is just to touch [cancellation] portion 110 when a user cancels.

[0054]And when two or more sheets are summarized and it purchases people with the ticket are automatically registered as a group. Group registration picture SC16 at the time of the ticket purchase of drawing 8 expresses it. The indication 111 of a ticket is given to a screen as well as the actual thing. And there is a display as which it is expressed with a lower right sign for example the heart and the number 112 that group registration of the three

persons was carried out as one group. Here since three sheets were purchased at once with the credit card the name called "day Ryutaro" who can check from the information on a credit card is filled in only one justification. It is also possible to purchase a ticket independently and to carry out group registration behind so that it may explain below.

[0055] Here what those who purchased gain although a way of speaking called a ticket was used abundantly is the "park card" explained in the top and this card has a function as a ticket.

[0056] (III) group ***** -- a group add function explains first the procedure in which a user performs group registration using drawing 9 and drawing 10. Drawing 9 is a mimetic diagram of the path access screen of group registration. Drawing 10 is a mimetic diagram of a group registration confirmed and a re-registration picture.

[0057] Now a member may purchase a card independently from the relation between the time of liking to set aside payment or purchase time. Group registration can be performed by touching the portion of group registration from theme park menu screen SC13 also then shown in drawing 5.

[0058] A touch of the portion of group registration of a theme park menu will display path access screen SC30 of group registration of drawing 9. If a park card is held up to 13 copies of read/write parts shown in drawing 2 according to the message 160 the user can read information in a card and can do group registration. The result is displayed on the group registration confirmed and re-registration picture SC31 shown in drawing 10. As shown in a figure the heart and the number which are the identification codes of the name and group member are displayed on the group member display portion 161.

[0059] Since it will return to path access screen SC30 of group registration to carry out group registration in addition to this if the [next group registration] portion 162 is touched the next group member can be registered.

[0060] (IV) Explain the communication function between groups using drawing 15 from the communication function between groups next drawing 11. Drawing 11 is a mimetic diagram of the path access screen of communication between groups. Drawing 12 is a mimetic diagram of a screen during access of the group data of communication between groups. Drawing 13 is a mimetic diagram of a group member's bulletin board screen. Drawing 14 is a mimetic diagram of a group member's action check screen. Drawing 15 is a mimetic diagram of the message screen from a group member.

[0061] Although the method of group registration has been described until now the first advantage of carrying out group registration is the member's of a group action being known to some extent and being able to exchange messages now among member seven if it separates and acts in recreation facilities.

[0062] For example even if it is the same group it is to take another action.

There is the time so that it may not mean but may become a missing child. The pleasure which is convenient when such a hand uses a theme park will increase much more.

[0063] In order to perform communication between this group the portion of the communication function between groups of theme park menu screen SC13 shown in drawing 5 is touched.

[0064] Since SC17 shown in drawing 11 which is a path access screen of communication between groups will be displayed if it does so according to the picture 120 of operation and the message 121a user will hold up a path to the theme park guide terminal 10 shown in drawing 2.

[0065] The theme park guide terminal 10 is accessed and when time requires communicating with a server in screen SC18 the message 122 will be displayed during access of the group data shown in drawing 12.

[0066] If data is downloaded from a server bulletin board screen SC19 of the group member who shows drawing 13 will be displayed. Simultaneously with the title 123 the screen of this bulletin board displays a group member information list. When the group member's name 124a is known like "day Ryutaro" of a figure the name and identification code or the sign 124b is displayed.

[0067] When a group member's action check is possible and the message has arrived from the action check icon 125 and its member the message icon 126 is displayed. When he sends a message the icon or the display portion 127 which shows that a message is sent is touched.

[0068] Now suppose that the action check icon 125 of No. 3 of the heart was touched on the screen of this bulletin board. Then action check screen SC21 of the group member who shows drawing 14 is displayed.

[0069] In this screen it is displayed by the animation 131 by time order with that time display as the action of the member of No. 3 of the heart is shown in a figure. This is becoming possible when the member of No. 3 of the heart uses the recreation facilities in a park for the time currently displayed using a park card and a system grasps the action. When those who place the sensor at the fixed interval into the park and have a park card when carrying out action pursuit in detail pass such an action check is attained by recognizing the time and card code.

[0070] If the [print] portion 132 is touched it is also printable from the printer 17 shown in drawing 2.

[0071] Next suppose that the message icon 126 was touched on the bulletin board screen shown in drawing 13.

[0072] Then message screen SC20 from the group member who shows drawing 15 is displayed on the theme park guide terminal shown in drawing 2. This displays the still picture of the display 127a and member who show that it is a message from the member of No. 3 of the heart or the animation 127b and a voice message

with a place and the time display 127c. In drawing 15 the scene where the pretty girl who is a member of No. 3 of the heart is making the V-sign is displayed. Telling a message with an animation is the display which was excellent in view of the standpoint of a user interface although it becomes heavy [considering a storage capacity and the load of a system].

[0073] The portion 129 [seen once again] is touched [to see an animation once again] to hear a sound once again. The portion 128 [which returns to a bulletin board] is touched to return to a bulletin board screen and carry out other operations.

[0074] (V) Explain an attraction guide function using an attraction guide function next drawing 16 thru/or drawing 21. Drawing 16 is a mimetic diagram of the path access screen of an attraction guide. Drawing 17 is a mimetic diagram of a screen during access of the group data of an attraction guide. Drawing 18 is the used mimetic diagram of an attraction and an inside-a-garden map screen. Drawing 19 is a mimetic diagram of a criteria specification screen. Drawing 20 is a mimetic diagram of the attraction screen appropriate for conditions. Drawing 21 is today's result and a mimetic diagram of a point screen.

[0075] The age group using a theme park is various and its liking of people is also various. There will be those who like a vehicle with a thrill and there will also be those who want to ride on the calm vehicle. Thus since individual difference is intense a guide is [the liking especially about play] needed. Probably it will also be required to show the history on which the person rode and the waiting time for using it now.

[0076] Using an attraction guide also touches the portion of the attraction guide function of theme park menu screen SC13 shown in drawing 15.

[0077] Since path access screen SC22 of the action guide shown in drawing 16 will be displayed if it does so according to the picture 120 of operation and the message 121a user holds up a path to the theme park guide terminal 10 of drawing 2. This is the same as that of the procedure explained like the point.

[0078] The theme park guide terminal 10 shown in drawing 2 is accessed and when communicating with a server takes time screen SC23 will send the message 141 during access of the use attraction data shown in drawing 17.

[0079] If data is downloaded from a server attraction and inside-a-garden map screen SC23 which is shown in drawing 18 and which was used will be displayed. A map inside the garden the attraction 142a which the user of that theme park used and the attraction 142b which is not used yet distinguish this screen and it is displayed.

[0080] Since the waiting time for using an attraction is also displayed for a user it is helpful information. Time can be used effectively if this waiting time avoids a long attraction and goes to a vacant place.

[0081]Although this waiting time data must be brought together in a server the personnel of a theme park may be made to report to a center the person of the waiting for an attraction puts the sensor on the place which becomes a sequence and the system which can collect data automatically may be built.

[0082]The specification portion 144 is touched for [conditions to specify favorite conditions on this screen and choose an attraction. Then criteria specification screen SC25 shown in drawing 19 is displayed. A user touches the menu 150 which looks at it and suits liking. For example supposing "I would like to ride on MONO made dimly" is chosen next attraction screen SC26 appropriate for the conditions shown in drawing 20 will be displayed. The attraction which suited conditions of this screen at the map 151 inside a garden is displayed with the waiting time 152.

[0083]When you feel inclined for a user to return on the other hand in order to check which has ridden today suppose that the [today's result] portion 143 of drawing 18 was touched. Then today's result and point screen SC27 is displayed.

[0084]With the message 153 of a point and the point icon 155 the attraction 154 used today stands a flag to a map inside the garden and this is displayed on it. If such a demonstration is carried out a user's thirst for conquest will be satisfied and it will attach on the way home in the substantial temper.

[0085]The point is a kind of the service which the entrepreneur of a theme park provides for a user and the more a user uses a card it enables it to gain a score and the more it is made to perform the present of cash back or a premium the present of a special invitation ticket etc. by the point. If it does in this way mind of liking to use a theme park will awake again the person who visited the theme park once.

[0086]The [print] portion 156 can be touched and this "result" can also be brought home.

[0087]It is also possible to print on a card by making into a history the attraction used for the day. In that case what is necessary is just to give a list function to the card terminal put on a theme park.

[0088]This attraction guide function needs to record the history of the attraction which the user used in the past. The direction of the card with which this has continuity when a park card is not using up becomes effective.

[0089]That is since the person himself/herself forgets if a utilization history when it comes second from last time last time is also displayed at the time of a card with such continuity riding on the same attraction is also avoidable. It comes repeatedly and the method of pleasure of dominating all attractions inside the garden can also be done.

[0090]A user's liking is grasped by keeping in mind the conditions specified on the screen of criteria specification in the past and when the attraction corresponding to such conditions is established inside the garden newly service

of taking out an initial screen format can also be performed.

[0091]

[Effect of the Invention]In [according to this invention] recreation facilities such as a theme park Provide the information based on a user's action by using a portable card etc. and use of the recreation facilities is supported synthetically. A user can be provided more with the recreation-facilities use supporting system and recreation use support method which enable it to use recreation facilities in a comfortable environment.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is a system configuration figure of the recreation-facilities use supporting system using the portable information storing device concerning this invention.

[Drawing 2] It is a mimetic diagram showing the structure of a theme park guide terminal.

[Drawing 3] It is a screen change figure showing an example using the portable information storing device concerning this invention of the screen change of a recreation-facilities use supporting system as an outline.

[Drawing 4] It is the screen change figure which described the screen change explained by this embodiment corresponding to a user's action.

[Drawing 5] It is a mimetic diagram showing a theme park menu screen.

[Drawing 6] It is a mimetic diagram of a ticket price list & purchase screen.

[Drawing 7] It is a mimetic diagram of a content confirmation & purchase screen.

[Drawing 8] It is a mimetic diagram of the group registration-confirmed screen at the time of ticket purchase.

[Drawing 9] It is a mimetic diagram of the path access screen of group registration.

[Drawing 10] It is a mimetic diagram of a group registration confirmed and a re-registration picture.

[Drawing 11] It is a mimetic diagram of the path access screen of communication between groups.

[Drawing 12] It is a mimetic diagram of a screen during access of the group data of communication between groups.

[Drawing 13] It is a mimetic diagram of a group member's bulletin board screen.

[Drawing 14] It is a mimetic diagram of a group member's action check screen.

[Drawing 15] It is a mimetic diagram of the message screen from a group member.

[Drawing 16] It is a mimetic diagram of the path access screen of an attraction guide.

[Drawing 17] It is a mimetic diagram of a screen during access of the group data of an attraction guide.

[Drawing 18] It is the used mimetic diagram of an attraction and an inside-a-garden map screen.

[Drawing 19] It is a mimetic diagram of a criteria specification screen.

[Drawing 20] It is a mimetic diagram of the attraction screen appropriate for conditions.

[Drawing 21] They are today's result and a mimetic diagram of a point screen.

[Drawing 22] It is a more concrete hardware-constitutions figure of the recreation-facilities use supporting system using the portable information storing device which is one embodiment concerning this invention.

[Description of Notations]

0 [-- A camera13 / -- A reader writer part14 / -- A weak electric wave15 / -- A loudspeaker16 / -- A microphone17 / -- A printer18 / -- Opening.] -- A park card10 -- A park card terminal11 -- A display part12